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(71) Applicant (for DE only): **PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-  
damm 94, 20099 Hamburg (DE).

(71) Applicant (for all designated States except DE, US):  
**KONINKLIJKE PHILIPS ELECTRONICS N.V.**  
[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven  
(NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VOLLMER,**

**Thomas** [DE/DE]; c/o Philips Intellectual Property &  
Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).  
**DÜRBAUM, Thomas** [DE/DE]; c/o Philips Intellectual  
Property & Standards GmbH, Weissshausstr. 2, 52066  
Aachen (DE). **DEPPE, Carsten** [DE/DE]; c/o Philips  
Intellectual Property & Standards GmbH, Weissshausstr. 2,  
52066 Aachen (DE).

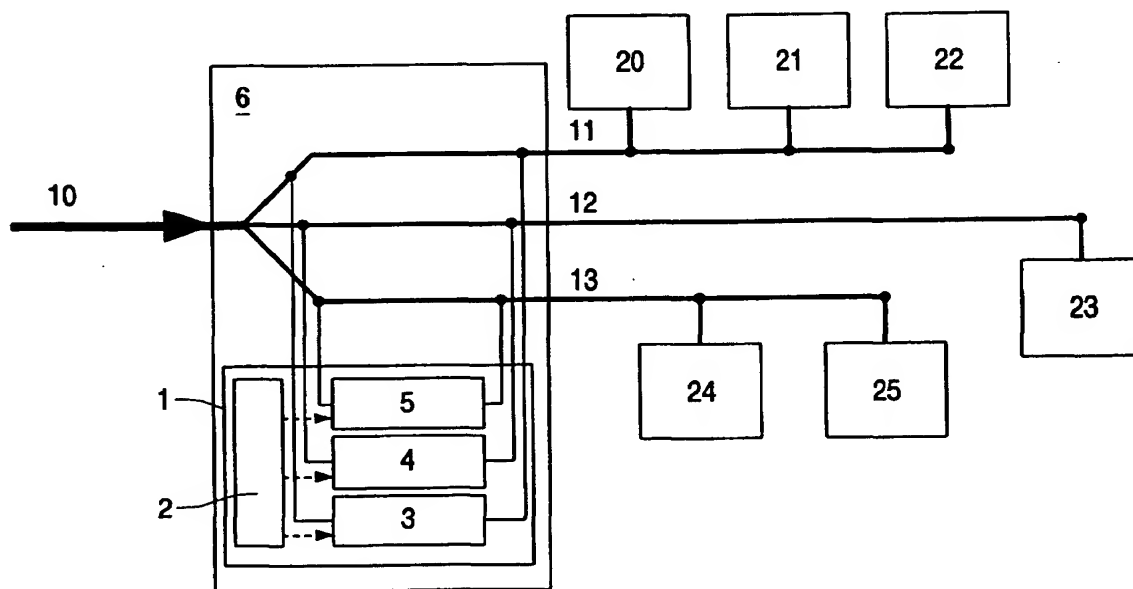
(74) Agent: **MEYER, Michael**; Philips Intellectual Property &  
Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).

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(54) Title: REPEATER FOR POWER LINE COMMUNICATION SYSTEM



(57) Abstract: The invention relates to a method and a device (1) for data transmission in a power supply network (power line communication). The device (1), preferably centrally located in a distribution box (6), is equipped with transceivers (3, 4, 5), each one of which is connected to a phasing line (11, 12, 13) of the power supply network, from which it can receive data, and to which it can transmit data. The transceivers are coupled via a control unit (2), wherein the control unit ensures that the data received from a phasing line can be transmitted, prepared, on at least one other phasing line. Hereby, a re-transmission on all phasing lines with the same transmission power, or a re-transmission matched to the particular signal strengths or the addressees of the data, can take place.

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